AMENDMENTS TO THE CLAIMS

1. (original) A control apparatus for an optical pickup for writing data on an optical disc and/or reading data from the optical disc, comprising:

controlling means for performing seek control for moving said optical pickup to a target track on the optical disc and focus servo control of said optical pickup according to a detected focus error signal and a transfer function; and

transfer function holding means for holding a first transfer function for executing focus servo when said controlling means does not perform said seek control, and a second transfer function for executing focus servo when said controlling means performs said seek control.

2. (original) The control apparatus for optical pickup as set forth in claim 1, wherein

said second transfer function has a smaller gain than said first transfer function and a phase margin capable of providing substantially same stability as that obtained by said first transfer function.

3. (original) An optical disc apparatus comprising:

an optical pickup for writing data on an optical disc and/or reading data from the optical disc;

controlling means for performing seek control for moving said optical pickup to a target track on the optical disc and focus servo control of said optical pickup according to a detected focus error signal and a transfer function; and

transfer function holding means for holding a first transfer function for executing focus servo when said controlling means does not perform said seek control, and a second transfer function for executing focus servo when said controlling means performs said seek control.

4. (original) The optical disc apparatus as set forth in claim 3, wherein

said second transfer function has a smaller gain than said first transfer function and a phase margin capable of providing substantially same stability as that obtained by said first transfer function.